



# **DX3100 Series Digital Video Recorder**



**C695M-QS (12/03)**



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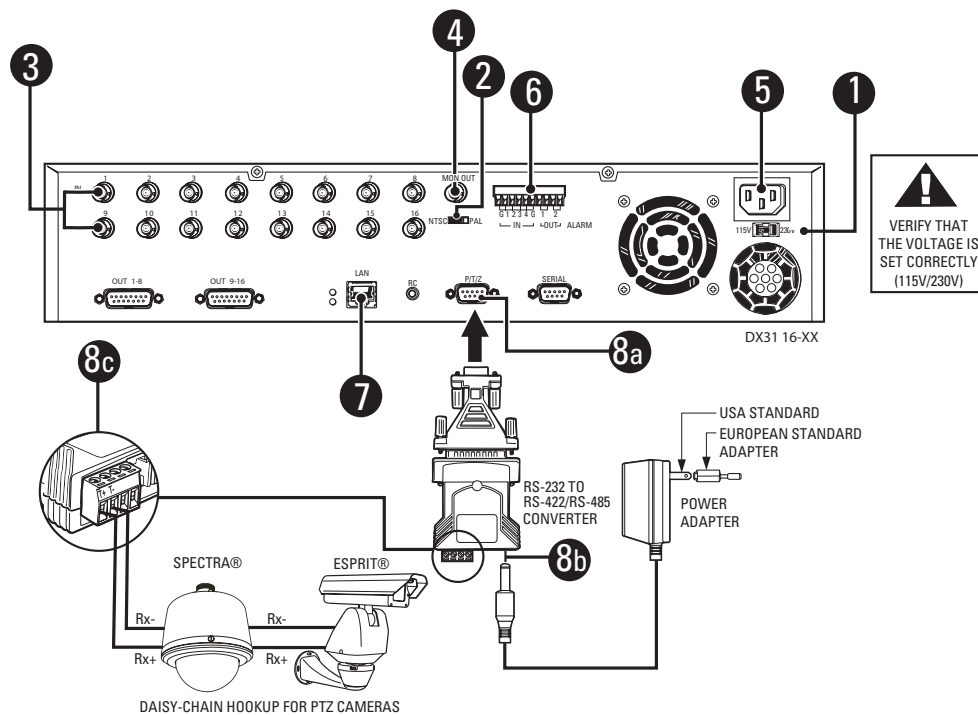
# DX3100 SERIES DIGITAL VIDEO RECORDER

This guide provides basic information for installing, configuring, and using the DX3100 Series digital video recorder. For detailed information, refer to the DX3100 Installation/Operation manual.

## HARDWARE INSTALLATION

After you place the unit in a rack or on a desktop, set the switches and make the connections as listed:

- 1 Set the correct voltage: **115V** or **230V**.
- 2 Set the video format switch: **NTSC** or **PAL**.
- 3 Connect the cameras. Also connect any looping outputs.
- 4 Connect the monitor.
- 5 Connect the power cable.
- 6 Connect alarm inputs and outputs.
- 7 If you will access the unit over a network, connect a network cable to the LAN port.
- 8 If installing Spectra, Esprit, or other PTZ:
  - 8a Connect the RS-232 to RS-422/RS-485 converter.
  - 8b Connect power to the converter.
  - 8c Connect camera control cabling to the converter.



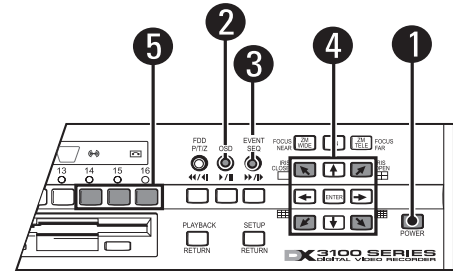
## FRONT PANEL OPERATION

**NOTE:** For complete information about the front panel and the IR remote controller, refer to the DX3100 Installation/Operation manual.

The buttons for each section below are shaded in the associated figures.

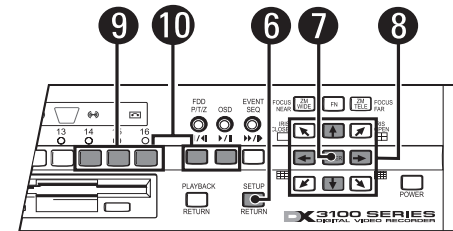
### General

- 1 Power switch (startup and shutdown)
- 2 Toggle on-screen display (OSD)
- 3 Sequence
- 4 Activate multi-screen views: ↖ for 1x1, ↗ for 2x2, ↙ for 3x3, ↘ for 4x4 (DX3116)
- 5 Display selected camera (1-8 or 1-16)



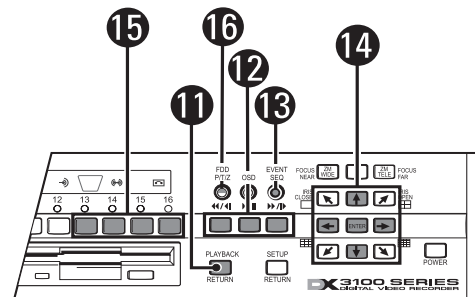
### Setup

- 6 Enter and exit setup mode; exit submenus  
**NOTE:** The default password is **1981**.
- 7 Select submenu or edit field
- 8 Field selection and edit: ↑, ↓, ←, →
- 9 Edit password (DX3116): buttons 1-9 = numbers 1-9, button 10 = 0
- 10 Edit password (DX3108): buttons 1-8 = numbers 1-8, button ◀ = number 9, button ▶ = number 0



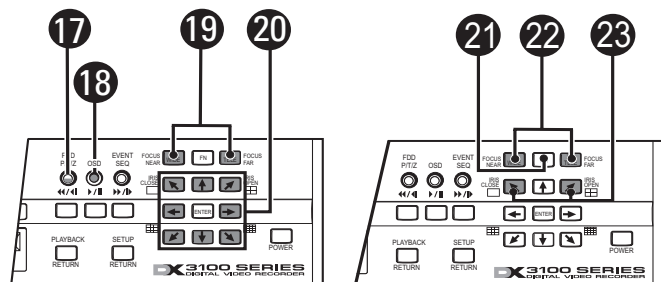
### Playback

- 11 Enter and exit playback mode
- 12 VCR-style controls for video playback
- 13 Display event list
- 14 Field selection/edit: ↑, ↓, ←, →, ENTER
- 15 Display video from selected camera (1-8 or 1-16)
- 16 Save image to floppy disk



### PTZ

- 17 Enter and exit PTZ mode
- 18 Toggle on-screen display (OSD)
- 19 Zoom control: ZM WIDE, ZM TELE
- 20 PTZ directional movement: ↖, ↑, ↗, ←, →, ↙, ↓, ↘
- 21 Enter and exit focus and iris controls
- 22 Focus controls: FOCUS NEAR, FOCUS FAR
- 23 Iris controls: IRIS CLOSE, IRIS OPEN



## CONFIGURATION

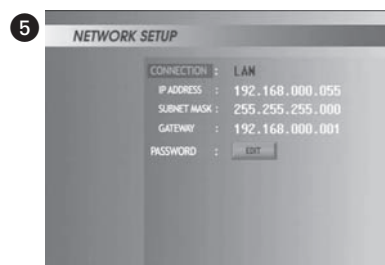
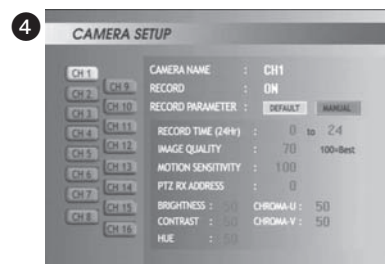
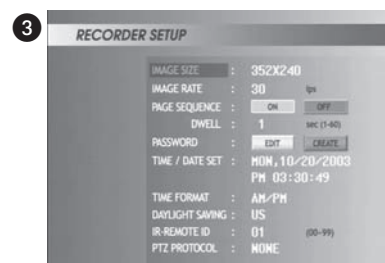
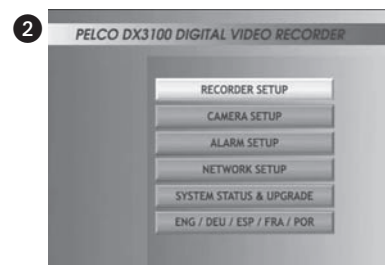
To configure the DX3100:

- 1 Press **SETUP**.
- 2 Use the camera buttons to enter the four-digit password. The default is **1981**. The setup menu appears.
- 3 Change the default DX3100 settings:
  - a. Select **RECORDER SETUP** on the setup menu and then press **ENTER**.
  - b. Change any of the following DX3100 settings:
    - **IMAGE SIZE**: The default is **352 X 240**.
    - **IMAGE RATE**: The default is either **8 ips** (DX3108) or **16 ips** (DX3116).
    - **TIME/DATE SET**: The default is set at the factory.
    - **DAYLIGHT SAVING**: The default is **US**.
    - **PTZ PROTOCOL**: The default is **NONE**.
  - c. Press **SETUP** to return to the setup menu.
- 4 Configure the settings for each camera:
  - a. Select **CAMERA SETUP** on the setup menu and then press **ENTER**.
  - b. Press **↓** (down arrow) to select the camera and press **ENTER**.
  - c. Change any of the following default camera settings:

**NOTE:** Select **MANUAL** to change any setting under **RECORD PARAMETER**.

    - **CAMERA NAME**: The default name for each channel: **CH1** to **CH16**.
    - **RECORD TIME**: The default is **0** to **24**.
    - **IMAGE QUALITY**: The default is **70**.
    - **MOTION SENSITIVITY**: The default is **100**.
    - **PTZ RX ADDRESS**: The default is **0**.
  - d. Press **SETUP** to return to the setup menu.
- 5 Configure the network settings (optional):
  - a. Select **NETWORK SETUP** on the setup menu and then press **ENTER**.
  - b. Enter the network address information for the DX3100: **IP ADDRESS**, **SUBNET MASK** and **GATEWAY**.

**NOTE:** You may also set the network password for this DX3100.
  - c. Press **SETUP** to return to the setup menu.
- 6 Press **SETUP** to exit the setup menu.



## SETTING SYSTEM DATE AND TIME

- 1 Press **SETUP**.
- 2 Use the camera buttons to enter the four-digit password. The default is **1981**. The setup menu appears.
- 3 Select **RECORDER SETUP** and then press **ENTER**.
- 4 Update the daylight saving time setting (optional). The default is **US**.
  - a. Select **DAYLIGHT SAVING** and then press **ENTER**.
  - b. To disable daylight saving time processing, press **↑** (up arrow) or **↓** (down arrow) to select **NONE** and then press **ENTER**.
  - c. To enable daylight saving time processing for a different country, press **↑** (up arrow) or **↓** (down arrow) to select the country and then press **ENTER**.
- 5 Select the time format (optional):
  - a. Select **TIME FORMAT** and then press **ENTER**.
  - b. Press **↑** (up arrow) or **↓** (down arrow) to select **AM/PM** or **24HR**.
  - c. Press **ENTER**.
- 6 Set the system date and time:
  - a. Select **TIME/DATE SET** and then press **ENTER**.
  - b. Press **→** (right arrow) to select a field to change: day, month, day, year, AM/PM, hours, minutes, or seconds.
  - c. Press **↑** (up arrow) or **↓** (down arrow) to change the field value.
  - d. When the date and time are correct, press **ENTER**.
- 7 Press **SETUP** to return to the setup menu.
- 8 Press **SETUP** again to exit the setup menu.

## DX3100RX REMOTE SITE SOFTWARE

**NOTE:** Before installing this software, refer to the DX3100 Series Remote Site Software manual for minimum system requirements.

**NOTE:** This Quick Start Guide is written for installers who are familiar with the Windows® operating system.

### Installation

- 1 Insert the Remote Site Software CD that came with the DX3100.
- 2 Follow the on-screen prompts, specifying default program folder.
- 3 Restart the computer.

### Configuration

- 1 Launch the Remote Site Software:  
**Start > Program > DX3100RX > DX3100RX v1.0.**
- 2 Click **OK** on the Input password screen. You can add a password later.
- 3 Create a site for the DX3100:
  - a. Click **CONNECT**. The Site/File Open screen appears.
  - b. Click **Add**. The Connection Property (New) screen appears.
  - c. Do the following:
    - **Site Name:** Enter the site name for this DX3100. It appears on the screen when you access the site.
    - **Server IP:** Enter the network address for the DX3100. It must match the **IP ADDRESS** field on the **NETWORK SETUP** screen on the DX3100.
    - **User ID:** Enter **dx3100** (case-sensitive).
    - **Password:** Enter the password from the **PASSWORD** field on the **NETWORK SETUP** screen on the DX3100.
    - **Camera:** Specify the cameras to display.
  - d. Click **OK**.
- 4 Select **Live** or **Remote Playback** on the Site/File Open screen. Then click **OK**. The site video (live or playback) begins to display.

### Operation

- 1 Launch the Remote Site Software:  
**Start > Program > DX3100RX > DX3100RX v1.0.**
- 2 Click **OK** on the Input password screen. You can add a password later.
- 3 Click **CONNECT**. The Site/File Open screen appears.
- 4 Select the DX3100 to view.
- 5 Select **Live** or **Remote Playback** on the Site/File Open screen. Then click **OK**. The site video (live or playback) begins to display.

**NOTE:** To reconnect automatically when a network error occurs, select **Try Reconnecting Continuously for Network or Server Error** on the Network Setup screen.



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